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5-15-03

PATENT

Docket No. 235.00440101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Travis et al.	)	Group Art Unit:	1652
	)		
Serial No.: 10/008,355	)	Examiner:	S. Swope
Confirmation No.: 4382	)		
	)		
Filed: November 8, 2001	)		
	)		
For: <u>DIPEPTIDYLPEPTIDASES AND METHODS OF USE</u>	)		

AMENDMENT AND RESPONSE

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed January 13, 2003, please amend the above-identified application as follows:

In the Claims

Please cancel claims 10-18 and 24-38. Please add new claims 39-53. The new claims are provided below in clean form.

39. (New) An isolated nucleic acid wherein at least about 20 nucleotides of the complement of the nucleic acid hybridize to SEQ ID NO:1 under hybridization conditions of 0.5 M phosphate buffer, pH 7.2, 7% SDS, 10 mM EDTA, at 68°C, followed by three washes for 20 minutes each in 2x SSC, and 0.1% SDS, at 65°C;

wherein the isolated nucleic acid encodes a peptidase, active analog, active fragment, or active modification of the peptidase;

wherein the peptidase, active analog, active fragment, and active modification of the peptidase have dipeptidylpeptidase amidolytic activity; and

wherein the dipeptidylpeptidase amidolytic activity is defined as activity for cleaving the peptide bond between the second and the third amino acids from the N-terminal end of a target

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